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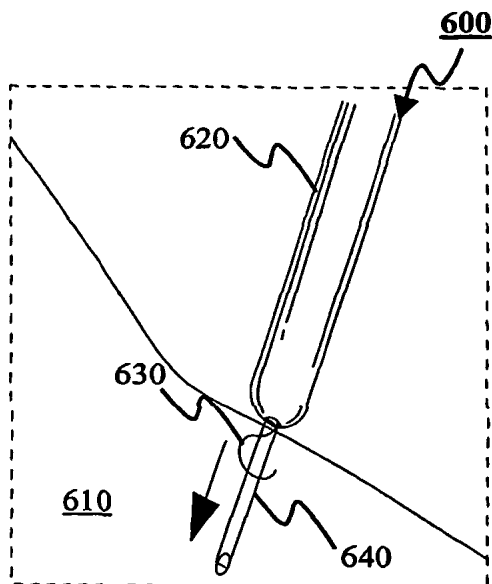
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(54) Title: AN INTRAMURAL NEEDLE-TIPPED SURGICAL DEVICE



(57) Abstract: Surgical devices (600) are described that are capable of creating deep thermal ablation lesions using a percutaneous or endoscopic technique. In one embodiment, the device (600) has a catheter-like member (620) with a lumen that comprises an intramural ablation needle (640) and a helical fixing member (630). The helical fixing member (630) is preferably 2 mm long and is used to fix the catheter (620) to the tissue to be ablated (610) enabling the intramural needle-like member (640) to be pushed into the tissue (610). The intramural needle-like member (640) may comprise a thermocouple to allow temperature-controlled ablation and an irrigation tube to allow irrigated needle ablation.

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